5

## What is claimed is:

- 1. A stage assembly that moves a device along a Y axis, the stage assembly comprising:
  - a device stage that retains the device;
  - a stage mover assembly connected to the device stage, the stage mover assembly moving the device stage along the Y axis; and
  - a first follower frame that supports the device stage, the first follower frame moving along the Y axis.
- 2. The stage assembly of claim 1 wherein the stage mover assembly moves the device stage along an X axis relative to the first follower frame.
- 3. The stage assembly of claim 1 further comprising a first follower mover that moves the first follower frame along the Y axis.
- 4. The stage assembly of claim 3 wherein the first follower mover moves the first follower frame along the Y axis substantially concurrently as the stage mover assembly moves the device stage along the Y axis.
- 5. The stage assembly of claim 1 wherein the first follower frame includes a stage channel for receiving a portion of the device stage and a pair of opposed stage fluid bearings that support the device stage relative to the stage channel and allow device stage to move along an X axis relative to the first follower frame.
- 20 6. The stage assembly of claim 1 further comprising a first follower guide that supports the first follower frame.
  - 7. The stage assembly of claim 6 further comprising a first pair of opposed, guide fluid bearings and a second pair of opposed, guide fluid bearings that support the first follower frame relative to the first follower guide along an X axis and along a Z axis and allow for movement of the first follower frame relative to the first follower guide along the Y axis.

- 8. The stage assembly of claim 1 wherein the first follower frame supports the device stage near a first table side of the device stage.
- 9. The stage assembly of claim 1 further comprising a second follower frame that supports the device stage along the Z axis, the second follower frame moving along the Y axis.
- 10. The stage assembly of claim 9 wherein the first follower frame and the second follower frame are moved substantially concurrently with the device stage along the Y axis.
- 11. The stage assembly of 9 wherein the first follower frame supports the device stage near a first table side of the device stage and the second follower frame supports the device stage near a second table side of the device stage.
- 12. The stage assembly of claim 11 wherein the stage mover assembly includes a first Y stage mover and a second Y stage mover and the follower frames are positioned between the first Y stage mover and the second Y stage mover.
- 13. The stage assembly of claim 9 wherein the first follower frame and the second follower frame support the device stage in a kinematic manner.
- 14. The stage assembly of claim 1 wherein the device stage includes a first table section and a second table section that is movable relative to the first table section to separate the device stage.
- 20 15. The stage assembly of claim 14 wherein each of the table sections retains at least one device.
  - 16. The stage assembly of claim 1 further comprising a line that is connected to the device stage, the line being secured to the first follower frame.

- 17. The stage assembly of claim 16 wherein the line provides fluid to the device stage.
- 18. The stage assembly of claim 16 where the line carries electrical current.
  - 19. An exposure apparatus including the stage assembly of claim 1.
- 20. A device manufactured with the exposure apparatus according to claim 19.
- 21. A wafer on which an image has been formed by the exposure apparatus of claim 19.
- 22. A stage assembly that moves a device along an X axis and a Y axis, the stage assembly comprising:
  - a device stage that retains the device;
  - a stage mover assembly connected to the device stage, the stage mover assembly moving the device stage along the X axis and along the Y axis;
  - a first follower frame that supports the device stage along a Z axis; and a first follower mover that moves the first follower frame along the Y axis substantially concurrently with the movement of the device stage along the Y axis.
- 23. The stage assembly of claim 22 further comprising a pair of opposed stage fluid bearings that support the device stage relative to the first follower frame and allow device stage to move along the X axis and along the Y axis relative to the first follower frame.

- 24. The stage assembly of claim 22 further comprising a first follower guide, a first pair of opposed, guide fluid bearings and a second pair of opposed, guide fluid bearings that support the first follower frame relative to the first follower guide along the X axis and the Z axis and allow for movement of the first follower frame relative to the first follower guide along the Y axis.
- 25. The stage assembly of claim 22 further comprising a second follower frame that supports the device stage along the Z axis, and a second follower mover that moves the second follower frame substantially concurrently with the device stage along the Y axis.
- 26. The stage assembly of 25 wherein the first follower frame supports the device stage near a first table side of the device stage and the second follower frame supports the device stage near a second table side of the device stage.
- 27. The stage assembly of claim 25 wherein the first follower frame and the second follower frame support the device stage in a kinematic manner.
- 28. The stage assembly of claim 22 wherein the device stage includes a first table section and a second table section that is movable relative to the first table section to separate the device stage.
- 29. The stage assembly of claim 28 wherein each of the table sections retains at least one device.
- 20 30. The stage assembly of claim 16 further comprising a line that is connected to the device stage, the line being secured to the first follower frame.
  - 31. The stage assembly of claim 30 wherein the line provides fluid to the device stage.
- 32. The stage assembly of claim 30 where the line carries electrical current.

25

- 33. An exposure apparatus including the stage assembly of claim 22.
- 34. A device manufactured with the exposure apparatus according to claim 33.
- 35. A wafer on which an image has been formed by the exposure 5 apparatus of claim 33.
  - 36. A method for making a stage assembly that moves a device along a Y axis, the method comprising the steps of:

providing a device stage that retains the device;

connecting a stage mover assembly to the device stage, the stage mover assembly moving the device stage along the Y axis;

supporting the device stage along a Z axis with a first follower frame; and

connecting a first follower mover to the first follower frame, the first follower mover moving the first follower frame along the Y axis.

- 37. The method of claim 36 wherein the first follower mover moves the first follower frame substantially concurrently with the device stage along the Y axis.
- 38. The method of claim 36 wherein the step of supporting the device stage includes the step of providing a pair of opposed stage fluid bearings that support the device stage relative to the first follower frame and allow the device stage to move along an X axis relative to the first follower frame.
- 39. The method of claim 36 wherein the step of supporting the device stage includes the step of providing a first follower guide, a first pair of opposed, guide fluid bearings and a second pair of opposed, guide fluid bearings, the guide fluid bearings supporting the first follower frame relative to the first follower guide along an X axis and the Z axis and allowing for movement of the first follower frame relative to the first follower guide along the Y axis.

- 40. The method of claim 36 wherein the step of supporting the device stage includes the step of supporting the device stage near a first table side of the device stage with the first follower frame.
- 41. The method of claim 36 further comprising the step of supporting the 5 device stage along the Z axis with a second follower frame.
  - 42. The method of claim 41 further comprising the step of connecting a second follower mover to the second follower frame, the second follower mover moving the second follower frame substantially concurrently with the device stage along the Y axis.
  - 43. The method of claim 41 wherein the first follower frame supports the device stage near a first table side of the device stage and the second follower frame supports the device stage near a second table side of the device stage.
  - 44. The method of claim 41 wherein the first follower frame and the second follower frame support the device stage in a kinematic manner.
  - 45. The method of claim 36 wherein the step of providing a device stage includes the step of providing a first table section and a second table section that is movable relative to the first table section to separate the device stage.
  - 46. The method of claim 45 further comprising the steps of retaining a first device with the first table section and retaining a second device with the second table section.
  - 47. The method of claim 36 further comprising the step of connecting a line from the first follower frame to the device stage.
  - 48. The method of claim 47 wherein the step of connecting a line includes the step of the line providing fluid to the device table.

- 49. The method of claim 47 where the step of connecting a line includes the step of the line carries electrical current.
- 50. A method for making an exposure apparatus that forms an image on a wafer, the method comprising the steps of:

providing an irradiation apparatus that irradiates the wafer with radiation to form the image on the wafer; and providing the stage assembly made by the method of claim 36.

- 51. A method of making a wafer utilizing the exposure apparatus made by the method of claim 50.
- 52. A method of making a device including at least the exposure process: wherein the exposure process utilizes the exposure apparatus made by the method of claim 50.